A Dipertation on the causes phenomena and treatment of Dyspepsia, presents to the Hon "Medial Landing of The University of Thursylvanies as an Snaugural Melis in order to be admitted to the degree of Doctor of Medicine. By John Jordan admitted March 25th 1822

admitted March 23th 1822

Dyshepsia, The functions of the human body have been divided into two classes. In the first are included such as serve for the preservation of the individual; and in the second such as seen for the preservation of the spices. The first of these classes has been divided into two orders, the first of which includes the afimilating or digistive functions, which are also called internal functions; while the second inaludes the relation or external functions - there by which the individual forms connections, an sustains relations with surrounding objects. According to the preceding arrangement, physiologists assign to the digestion functions, of which the stomach is the principal or gan, the first place; to which indied the Stomach deems entitled, whether we consider the emportance of its own proper functions, or we the contrart, which it orencises over at most every other part of the system. Autorists

I the providion state him and take to most every other first it to better to the house

tell us, that every of gan is universally found in animals except the storach, which is an incontrovertile proof of its prime in portance. Hiphocratis called the Stonach a quat fountain, which as a sent which you Ata, could both receive and supply from every other fact. It is the most irritable part of the body, and susceptible of the most minute distince tions in the nature of the stimul applied to it. It is endowed by nature with the nost complex properties of any argan in the body, forming a centre of sympathy, bu tween our component and intellectual parts, of more egguint qualifications, then even the brain itself. On account of the into mate connection, which is observed between the condition of this organ and the state of the mind, and on account of the profusion of newer distributed about its my

title ut that sween arean

repper origin, some philosophers have thought to be the seast of the souls this country but considered the weldit notice or in physically when it is observed how much every winder of the server system, and especially those of the mind; defend on the state of the stonach.

Behas furforming a very important but in the function of digether, it exercises a soit of expression and the whole system. The ingular we submitted by comining or apprepriated by digether to done my or made by the original or made is the stemach to take cognitions. I made is the stemach to take cognitions of any distance or disorder in the system, that our origining are you much interest of the cognition of the consideration of the cognition of the consideration of t

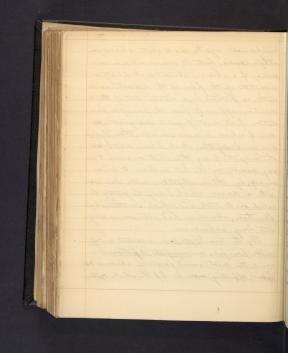
From the preacting and other consideration, that mitte by addiese, it seems more important for medical practitions to understand there Table to the the gain

throughly the function and fathelegy of the storm note, then of any other engage of the body. By science of influence in the production and care of diseases.

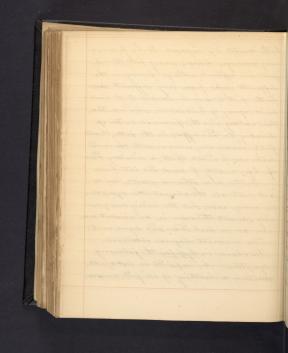
In organ, that exercises such important of. fices, and that is perfectually hiable to injulies, which occur either as primary affections, or result from sympathy with other parts, must margarity be subject to many and various Sisoners. Although apparently simple in its structure, the stomach is endowed with propentire, which physiologists cannot with certain Ty explain, nor the most skilful chimists imitat. We may learn some of the lews by which its powers are governed; but we shall probably ever remain ignorant of the exnet meanner, in which they are performed. The stomach, like every other fact of the body, is liable to injuries from chemical or

muchanical agents, and to acut diseased from other causes, but its disorders are more commonly of a absonic character, It debility or relaxation of the fibres of the stomach, connects with, or produced by a vitate state of the its secretions, appears to form the principal fourdation of its most frequent drangements, the one of which is mare common, Than Duspip sin or Indigestion, which I have selected for The subject of my thesis, not on account of any movelty in it, but in order to render myself, by the investigation, more familiar with a disease, which I may frequently be called on to treat, and which sometimes beffles those, who have had extension miding and long experience.

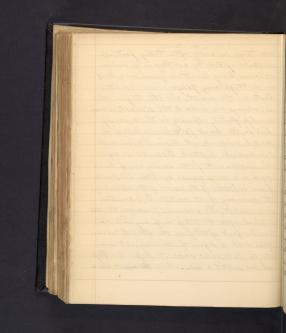
By the term Desperse is meant a reflect out, painful, or imperfect degethern It is me of the most varied forms of chronic distance of the most varied forms of the whole system,



both mental and corpored. It has be come a very common diserse, among both the indigent and affluent, although flowing, in the different class, from very different causes. In the first it may be ascribed to the combind agency of hard labour, cold and maisture, thin clothing and the puricious custom of drinking the and coffee. In the latter, its most firth sources are, errors in diet, the immod exate use of artest spirits, a sedentary more of life, anxiety of mind, and late hours. In this, as in other complaints, we do not much all the characteristic symptoms in every ease, but the hading ones gener ally present themselves in an evident man ner, on in such order and degree, as to runder a correct diagnosis obtainable. We observe in dyspepsie the following symptoms. An impained or lost appetit, sometimes a loathing of all food, nausea,



womiting, especially after taking food. The mataial ejected by comiting is of various colours, being sometimes queen or yellow, or a tough ropy phligm. There is a little taste in the mouth, and the tongue, while is always an index to the stomach, is more on lip furner, especially in the morning, and on its back part. There is flates in the stomach and bowels, with tension and pain in the hypochondriack, chigastrick, and umbilical regions. Ruminations with flater, usually accured banding algia is a very general symptom, and proceeds from irritation of the nerves of the stomach by The acremony of its contents. It is sometimes very violent, and occurs in paroxisms at short intervals, after the taking in of any acris mater ten. The fluid ejected from the stomach has some times such a digne of acrimony, as to excori at the parts, over which it papers, Dr. Phys. ich has related a case, where the was to



quet as to correct cloth. Consider is often accessioned irritation from plates on statuting an acting the stomes to a spermodic action. The breaks in fatility the sounds are generally costing but sometimes there is an alternation of diamaker and the continuous may be continuous peally as a cause, and fatility, as effect, the clum summentary, are of ten but little other gut from their usual colours; but, at other times, they are mucaus, fatid, dark and fill coloured.

Among other hypotoms, we man or lips for quality abserve sallowness, writigs on gibbings, sizing in the ears, dimness of sight, or the experience of insects before the ages, gammal or parties tenners, palpitation, of the hint, inneutants of its putter, phethorians, headach in the form of him warner, an claves hiptoricus; pains in the breat, that, and back; languon, debility,

the fire offer from they have been on the fire

and depression of spirits, with a sensition of succession of uneasing at the forecordia; the work copies and pale colours, on stanty and turbid, than natural, then are project fains in the boards with barboriganies and sensetting a sense of stricture in the threat, which appearance is the common an appropriate of the common an author, have than for they were inseparably connected.

This complaint is various in its duration. Sometimes it lasts only a few hours, and consists in a nause and womiting or dambas; but in general it gas on for days, weeks, and even months, Sometimes it last for years or even months, Sometimes it last for learning under it, who are even outerthe learning under it, who are even corpulent, and netting them colours and applitte. Middle agost froph are most hadde to it,

Madde aget proper are most wash to it, though it may occur in persons of ten or town

truthe years old; and men are more subject to it than women, It sometimes disappears the tomainty. From a long continuous of it she tint brooms fake, emacially, droppied or pathicial.

It is, for the most fact, on acquired disers, although sometimes it is herbitary. Buth got and hysteria are often connected with on see parent on, depphysion the but furtheright of the nested day, both their diseases have their start day, both or alient in the diseases that conditions of the alientary card, the organs that continue the cand, have the gratest influence over the nervous and varentary and the persons, and thereby on all the function of the body.

The proximat cauch - The ifte morder of dysphaia is vernally thought to be a lop of ton, along, or indicately of the muscular films of the stomach and intesting. The gatnet

juice of some seems to undergo morbid changes, and is probably diminished in quantity or

withated in quality.

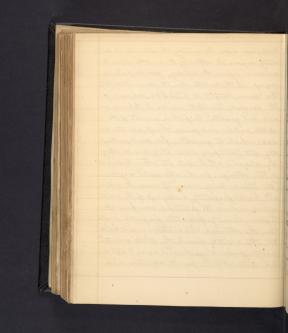
The mimoth causes being very numerous, I shall, for the Jake of perspiculty, divide them into such as not primarily and directly on the stomach; and those, which not inductly on that argan, first injuring and on publing the whole system. Among the first may be enumerated tra, coffe, tobacco, arout spin its, opium, fermented biquers, and aromatics. Both the and coffee have a direct and specifick effect on the stomach, and there on the whale nervous system. boffee has the same exhiberating power as tea, but it combines elso a Stimulant one, which operates on the sanguiferous system, and counteracts its effects on the nervous system. Hence it may be said to be les mischievans to health, then tea, Both are, in my opinion, detremental to all persons of

whate it raid between both his triveries direction down to take fact it com

a delicate constitution. Dr. Currie ascribes the susceptibility of taking febrick contagion to the profuse use of tea. He gives a melancholy description of the combined powers of the and ardent spirits on the constitutions of the paor, In the eighteen hundred cellars in Leverpool, there are many, in which animal ford is not tasted more than once a week; but there are very few, in which tra and coffer are not daily drunk. Hence the great number of dyspetite patients at our public charities, which may almost all be traced to the use of ten and spirits, often assisted by depression of mind tot gand majority are finalis. Dr. Whyth was strongly impreped with the belief in the permisions qualities of tra, and says, that the stomach complaints and nervous aitments, as they are called, may be faitly awing to the too quest use of trai. Tobacco is another fruitful somer, from which

i A was married as finished to their a trader was more than the said to

dyspepsia arises. By entering the stonach, it di reelly impairs its action by its narootic power. It marcover injures the salivary glands, producing dryrep in the mouth, when its use is intermitted. Dr. Darwin thought it produced a schirmes of The pancres. In Tigest ascribed to take cco sw and but qualities. The first is, a waste of the spitth, and, in consequence though, all the diseases, which it generates; for smokers, though they spit plentifully while they are so oking, are observed not to shit at other times; nor is this strange, for the stimulated argan, (the stimulus being removed) ceases its rotion, and hence frequently a dryness of the mouth, which induces too plintiful drinking of liquors. Secondly, from the frequent irritar tion, the stomach and intestines are debite to, the appetite spoiled, the spirits exhausted, nature grows shiggish, and wases to not un les stimulated. His fourth objection is, if



smoking induces too flatiful drinking, har is a know fewntain of diseases, barious according to the various beginns, but always fetal. He afterwards proceeds to say, Is to have thempone of no about at all I bentamy totally and guarity it hunts every total and consequences have instances, in which the bad consequences have severy to have been to prove that the bad consequences have shown to prive my the machine persons, the machine persons of say, I never no membered a smaker like to he guest age.

But of all the most cause of they do later the use of artend should is the not certain; him followed always by more or lip ability. Their persicious afection on the bodis and morals of men has her her fully discould by union, having plusicions.

Try produce plassisty of the solds, tomicy

election to any

of the plaists, indigetion, palsy, apolary, schinning, mappy, are they generate heart and inflammation of the liver and distour to gargnone". By accasioning dehility, they produce a stepnation of the fluids, man more exclusion and amounts absorption; and hence follow dropsies.

There also acts very injuriously on the termach. Quenty of midicine, it will sometime, produce displain, it will sometime, produce displain, although its we he continued only for a shart time. It is high to most of the abjection, which are engre against the way of to brack. In Sullin observed, that we no to to be sulling absence, I have used to the warm light to the storact, and have one rester for the had effect of hot hea, effect and soups.

Another court of dyspepsia is immorrant re

1 will acquire delletier

platin; and loading the storacide will find of difficult digetion. The injurious practice of taking carry breakfelts and feating till night, and than taking dienew and the at one bitting, a prectice usual money much, produce diseases, to which the claps of themade medicines, or the see business waters to carry of the through medicines, or the see business waters waters of that and blutterlam, will not be able to farnish an antidote.

A deficiency in the bileay, gesting on parameter shortens, disease of the liver, hysterie, hysterie, hysterie benchmark of the disease of concern character of this disease. Sorteness exposure to meets and cold air and particularly and fact, are often the causes of dispersion among the house claps of society, but there should fine heart, be couped placed in the second claps of ments causes,

This clap "I have already stated, embraces these causes, which first occasion whilety of

In the whole system, and afterwards that of the stomach. Such me, an indictive sedentary life, interes study, quiet and vication. Literary my men are frequent subjects of desphysicistic integrand solicited of mind soon deliditate all the argans of digetion; indicing, by long duration, appears of digetion; indicing, by long

The predictions cause we believe to be a fretireatural somithing of the servous system, and ability of the storace and

bowels.

Pragacies. Simple idispathie dyspepsia is very rank, fatal; but & very often knows so. The former often continues many years without fromeing disease in any the hart of the forty. Immeting however by to hong duration, emacration, eachery, and droppy will induced.

The treatment of this disease is mixet to be considered. A dyspepia usually presents itTron consider on

self, the first indication is to chanse the stone ach by an emitie from any crudities, that may have collected there, and this prepure the way for other remedies. From this Jurplese specie is to be preferred. It is sufficiently actwo, and, at the same time, exerts a formament in phener on the disease. It may perhaps, be proper to repeat it two or threw times, should crusitus rapidly accumulate. We are, in the next place, to resert to mild purgatives. All salin and drashe articles should be avoided. Rhuback, from its tones effect on the bruch, may be resorted to with atvantage, and may be combined with magnesia. Dr. Chapman says the lust lecation he ever employed is a mixture of lac salphor with calcined magnesic in equal parts. It is a certain laxative, and one list calculated for overcoming a habit of costinenep. If this mixture should be offensive to the

me from with out sin & marining

patient, the magnesia may be given without the supplier.

The condition of the alimentary canal being thus rectified, wer are so resort to tonics, especially the ugetable bitters; such as gentian, columbs, qualsia, hops, and persuian hack. Of this articles, the hot and qualin are or he preferred. The back was farmerly much extend in the cure of this disease; but it has fallen into disreputo. Dr. Chapman thinks it infesion to either of the praceding articles. But the mineral tonices certainly hold a dicided superiority over all others in the treatment of this disease, especially the preparations of iron. The one most frequently used is the carbonate or rust of iron. The sulphite of iron is also employed with much arrantage. This appears to be the most approved moon of treating the simple cases of dyspepsia. But with this disease, there we appointed

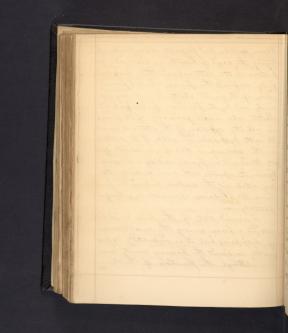
* Po Hickory asher 12th Chean sort 1 the confiner, Pailing water I gallon. When the lignor becomes cool, deant it for use. Dose, a wine glapful several times in a day.

certain affections, which require an entirely different made of treatment, Among these secondary affections, cardialgia is a very prom ment and distriping one, vising from the colhetion of acid matters in the stomach In then cases, it may not always be proper to exhibit an ametic. That there is a variity of other articles, to which we may re sort; such as hime-water and milk; the al-Kelin and absorbert medicines, among which magnisic is to be prefused, Either of the alkalies will answer very well; but fall the remidies, the annixed prescription of Dr. Physick is believed, by Thou, who have employed it, to be the most efficacious in orliving that most distressing symptom. Shason of the storach is a frequent symptom of this disease, and may be relieved by the remoties already detailed. It is marpay sometimes, however, to preserve opium, ether, an some

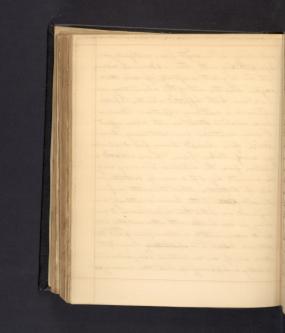
other other artispersonic; but to all the opium is certainly to be prepared. When the complaint often recurs, it will be highly proper to apply a blister to the epigestim region. This remarks is indespensable in the chronice, as well as in the acute diseases of the stomach. Do behalman recommend very highly disturding the stomach with warm wither. He says it housely were fails to give rehief. Me should then have seeness to welated alkale, opeum, yee, to prevent their recurrence,

The white exil of himsel has required operation in the treatment of diffiction. It was originally recommended by M. Oder of Geneva; but some projection wising against it present its gaining much reputation in Europe, until Doublands, a bistimulation in Europe, until Doublands, while prostations of its ellips, he hadded of your strong allestations of its ellips.

"Thave, said he, "had forguest opportunities of trying the oxyd of bismuth in spannadic of potions of the stomach; and those trials have fully confirmed the opinion, which I formerly your of its great utility. It is also very exten sively and by the physicians of New york and Baston, who report favorably of its howers in all the affections of the stomach connect ed with dyspipin. The action of the substance on the stomach, is that of a mild and effect not time; and in pyrosis, cardialgie and gostro dynie, it operates with more cutainty, than any article in the materia medica. The hiera piara Dr. Chapman appreciates very highly in gastrodynia. A dinand state of the liver must be allowed a place among the remote causes of dyspessie; but it is sendentially too free quety considered the primary memote cause. For although the functions of the Hom-



ach may be deranged from contiguity, or sympathizing, with other abdominal viscina, muit in a great majority of cases, that ongan and the rest of the alimentary canot are first affected, and the Reportie disorder is a secondary affection. Black or dark coloured stools do not alone afford a sure critarion for determining the existence of a diseased hour; for such clan gu may take place from withated se cretions from the intestines, and may easily be removed by a few down of cathacties or ail of temperative. When the existence of a dinend friate of the liver is cutainly necagnised, we should then have recourse to men cury in combination with other catheries, in or der to communicat a more faverful, to the stomach, bowels, and stomertany liver. If the stoods are of an unnatural clayeolour, in directing a depicioney of like, then mercury and



appears indispensably necessary; but we should be careful how we hurry into pricipitally into the use of this article, from the mere vitiated appearance of the alvin evacuation. As improper diet is a frequent cause of dyspessio, the fatient must be enjoined diligently to cornet the even flowing from this source, as well as from other injurious habits; such as sidentary accupations, omissions of exercise, He. To the weak and value dinary, an improper dut is evidently a friquent nemote cause of syspepsia. For great attention, cannot, therefore, be faid to the selection of that kind and quantity of lood, which is the best adapted to the digestion powers. Cocoa or thin chocolate, sift boiled eggs, with a little fish butter sport on with buspail or creekers, or a little cold ford, or the lean of fresh all meets, will answer for breakfait. The fatient, if

* On rather bried made of undotted meal or flower

he he fond of milk, should confine himself almost entirely to that article of diet. It is applicable both to the simple forms of dyspepsie, and to those, which are consphierto with other affections, as gastrodynic, pyropis, on No diet appears to be letter suitit to ease of water brash, Than one of milk. Diving hearty, and at a late hour, will free quently reader abortive the last curation treat ment . As the system is they supulled and digistion serve in perfetly performed, dinner should be taken at in early hours, and afterward genth exercise on horsebeck or on foot or in an open engringe. The fatient may, at disoner, induly himself in a little mutter, buf, or fowl, Vegetables should be few and of a tender kind, as view, fotatois, te. Dr. Chapman way highly necommends bran-breed the high sesoned strong meats, with histing sources,

there whether better is the make like any the thought we wint of without the deand wines, must be avoided. The fat of meets, piercrusts, heavy unfirmated bread, bacons nich fat puldings, dried and solled meats, acid, and all wigitables needily running into acid firmentation, are improper. Plain cold water is undoubtedly the birt drink at din nen. The fatient should eat frequently and little at a time. The dinner must consist of but, mutton, to white flish of Boultry, the different kinds of game, and orsters. Neither fork, non weal, non guest, nor duck non fish, are to be allowed. The fatient should alstain entirely from the use of tra and coffer. It is Deammon opinion among practitioners, That soups and broth, are of easy digition; but whatever may be the case in a sound state of health, not thing is butter established, than that they are insomepible in dyspepsia. They are extremely aft to become sour on the stomach?

In some of the more obstinate and protract ed cases of dyspessis, much advantage may her derived from remodes to the system generally, The warm bath, employed twice a week, is highly whiful . It not not only as a tonic, but also by inviting diseases from the surface of the body. The cow, bath in other instances, acts whom a similar principl". Too little attention has been haid to dothing in the management of in orgetion. Every practioner must have seen how strong a sympathy exists between the alimentary canal and surface of the body. It is important to tuck up the same Enque of warmith on the latter fast, and, for this few post, flannel should be acous Juring the winthe and summer." I have already mentioned with pet as one of the principal sources, through which this disease makes its enroads; especially when There is the slightest disposition to it, wed feet will hardly ever fail to bring it on. To good

they are server see the me whole a presenting when THE HOLLIE COMMENTS THE WAS LIKE ale hable your fail to be put outerous

against such a consequence, woolen stockings should be worn, and sometimes, to irritate the soles of the but, not pepper should be rubbed over them. Show making wax, spread on leather on lines, may be and for the same purpose. This, in many cases, has relieved and promitines altogether curid indigestion." That what will all our numbers accomplish, unlip the remote causes be removed? Me should inculeat on the fatient the measurity of above Doning entirely that habits and practices, which directly or indirectly tind to the production of the dinase. If intemperate, he should become soher; if indolent, he is to be swakened to industry and enterprise; if stations, he is to abandon the midnight land; if afflicted and calamatous, he must be up-Ald with promises of hope, and The gilded Brosheto, which are before him. In The greatest emergenay There is still some hope of care, and never, in this opp in any other can, surred a your hatint to Oeshain;